

STEM Program

A circular collage of various STEM-related icons and symbols. At the center, the word "STEM" is written in large, bold, colorful letters: S is red, T is yellow, E is green, and M is blue. Surrounding the word are numerous hand-drawn style icons representing different fields of science and technology. These include: a DNA double helix, a lightbulb, a rocket ship, a computer monitor, a brain, a flask with bubbles, a pie chart, a bar graph, a wrench and pencil, a compass, a gear, a triangle, a circle, a square, a diamond, a hexagon, a heptagon, an octagon, a nonagon, a decagon, a hendecagon, a dodecagon, a trapezoid, a parallelogram, a rhombus, a rectangle, a square, a circle, a sphere, a planet Saturn, a comet, a star, a galaxy, a nebula, a black hole, a wormhole, a time machine, a teleporter, a robot, a spaceship, a satellite, a telescope, a microscope, a test tube, a beaker, a pipette, a petri dish, a cell, a virus, a bacterium, a molecule, a crystal, a mineral, a fossil, a dinosaur skeleton, a volcano, a mountain, a river, a lake, an ocean, a forest, a tree, a flower, a leaf, a seed, a fruit, a vegetable, a piece of food, a drink, a person, a group of people, a team, a community, a society, a culture, a tradition, a custom, a habit, a routine, a schedule, a calendar, a clock, a watch, a stopwatch, a timer, a scale, a balance, a ruler, a measuring cup, a thermometer, a hygrometer, a barometer, a seismograph, a weather station, a space station, a lunar lander, a Mars rover, a probe, a satellite dish, a radio tower, a antenna, a speaker, a microphone, a camera, a video camera, a drone, a robot vacuum, a smart home device, a wearable device, a prosthetic limb, a medical device, a laboratory instrument, a scientific instrument, a tool, a machine, a device, a gadget, a toy, a game, a sport, a hobby, a pastime, a leisure activity, a social activity, a cultural activity, a religious activity, a political activity, a business activity, a professional activity, a career activity, a job activity, a task, a project, a goal, a dream, a vision, a mission, a purpose, a passion, a love, a joy, a happiness, a well-being, a health, a fitness, a lifestyle, a way of life, a philosophy, a belief system, a religion, a spirituality, a metaphysics, a cosmology, a physics, a chemistry, a biology, a geology, a meteorology, a climatology, a hydrology, a botany, a zoology, a paleontology, a archaeology, a anthropology, a linguistics, a psychology, a sociology, a political science, a economics, a history, a geography, a environmental science, a earth science, a space science, a marine science, a atmospheric science, a planetary science, a astrophysics, a cosmology, a particle physics, a quantum mechanics, a relativity, a thermodynamics, a electromagnetism, a optics, a acoustics, a fluid dynamics, a materials science, a engineering, a architecture, a design, a art, a music, a dance, a theater, a film, a television, a radio, a journalism, a communication, a media, a information technology, a computer science, a software development, a programming, a data science, a artificial intelligence, a machine learning, a robotics, a automation, a cybernetics, a nanotechnology, a biotechnology, a genetic engineering, a synthetic biology, a regenerative medicine, a personalized medicine, a precision medicine, a digital health, a telemedicine, a virtual reality, a augmented reality, a mixed reality, a metaverse, a blockchain, a cryptocurrency, a fintech, a proptech, a edtech, a healthcare tech, a agtech, a cleantech, a sustainable technology, a green technology, a renewable energy, a clean energy, a low-carbon technology, a zero-emission technology, a circular economy, a sustainable development, a responsible innovation, a ethical technology, a trustworthy technology, a secure technology, a resilient technology, a inclusive technology, a equitable technology, a just technology, a democratic technology, a participatory technology, a collaborative technology, a open technology, a transparent technology, a accountable technology, a responsible technology, a ethical technology, a trustworthy technology, a secure technology, a resilient technology, a inclusive technology, a equitable technology, a just technology, a democratic technology, a participatory technology, a collaborative technology, a open technology, a transparent technology, a accountable technology, a responsible technology.

This is a unique opportunity for you to attend the first-ever Workshop and Skill Training, scheduled for

Note: The STEM Program is hosted by the 12th District, Omega Psi Phi Fraternity, Inc. For additional information call Mr. M Haynes, STEM Program Chair, at 909-396-236



AGENDA



Thursday, May 16, 2024

2:30 p.m. to 3:45 p.m.

MLK Technical High School in Sacramento, CA.

Summary- Top 10 Popular Brands of Bottle Drinking Water Contamination Testing- Explain the Experiment

1. **Introduction- STEM Careers of Future- PowerPoint 15 min**
2. **Top 10 Bottled Drinking Water Brands**
 - Discuss Brands/Types of Water-Wells, Streams etc.
 - List EPA/CDC Drinking Water Standards for Contaminants
3. **Dangers of Drinking Contaminated Water**
 - List Contaminants leading to Cancers
 - Cancers causes by Contaminated H₂O
 - Case Study (Camp Lejeune)
4. **Testing Bottle Water for Hazardous Contaminants**
 - Select (4) Water Brands and Sample of School Water
 - Using (1oz) paper cups, pour and sample
 - Using 16 in 1 Drinking Water Test Kit, High Sensitivity Test Strips detect and identify Contaminants (chlorine, pH, total alkali, hardness, iron, copper, lead, nitrate, nitrite, bromine, total chlorine, chromium, fluorine, cyanuric acid)
5. **Presentation of Findings-Worksheet (Compare Bottle Price/Brand/Contaminants)**
6. **Closing remarks/Door Prizes for Top (3) Teams**

Lead Facilitator

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